

## 2.6 **Text**

### A. **Introduction**

Text requirements for notes, dimensions, titles, and headings used for project plan sheets have been consolidated and standardized for CADD use. The Caltrans standard font is called “CTFONT1”, which has a numerical value of 3. CTFONT1 is a replication of the previous standard font, “LEROY”, but with modifications to the kerning (space for each letter) of some letters. Additional characters were added to both CTFONT1 and LEROY. The LEROY font will still be used for mapping purposes.

NOTE: Caltrans Fonts, which are currently being used, are shown in the Appendix of this manual.

### B. **Text Size - Highway & Landscape Project Plans**

In the Caltrans CADD system, all base mapping for Highway and Landscape projects are designed using State Plane Coordinates. Plans are developed at a ratio of 1 to 1 (real coordinate values), but can be plotted at any desired scale. Text sizes were determined based on how the text looked within the border sheet and what information should be shown more prominently. The size for the text listed in the table below, is based on a plotting scale of 1” = 50’ (Caltrans Base Scale). It is important to place text at the appropriate CADD size within the drawing based on the intended scale of the plotted plan sheet.

The following table defines the text sizes to be used for Highway and Landscape project plan sheets:

**TEXT – For Highway/Landscape Projects  
and Photogrammetry**

	ENGLISH		
DESCRIPTION	SIZE *	FONT	WEIGHT
Title Project Description	TX = 14.5	43	0
Name and ID Code of Individual Plan Sheets, (does not apply to the Title Sheet.	TX = 14.5 **	43	0
Titles for Quantity Tables and Detail Drawings	TX = 12	43	0
Country and State boundary	TX = 11	43	0
City Names on the Title Sheet Strip Map	TX = 10	43	0
Begin and End Work on Title Sheet. Titles for Informational Tables	TX = 10	3	2
Subtitles for Tables and Detail Drawings. Route and Route No. Headings in Quantity of Summary	TH = 8.75 TW = 8.75 ***	3	2
As-built Changes	TX = 8.75	3 ****	1
River Names (Water Ways)	TX = 7	3 *****	1
Majority of Text, (including text with drawings, tables and dimensioning	TX = 7	3	1
Restricted Space for Placement of Text	TH = 7 TW = 6	3	0
Photogrammetric Mapping Text	TX = 6	2	1

\* TX = represents height (TH) and width (TW) in feet for Caltrans standard 1" = 50' plans. See Appendix A6 for text sizes at other acceptable plotting scales (fonts and weights remain the same.)

\*\* Adjustable if necessary (TX = 12 minimum).

\*\*\* Reduce text width (TW = 7 minimum), if needed for restricted space.

\*\*\*\* Place at a slant angle of 15 degrees.

\*\*\*\*\* Do not use Font 23. It is obsolete and does not have the appropriate spacing for characters or the desired appearance for certain letters. Use the Caltrans standard Font 3 (ctfont1) and place at a slant angle of 25 degrees.

Options: If a plan sheet has multiple routes and is a busy and cluttered sheet, making it difficult to see the route labeling, then the Route and Route No. may be placed using a text size of (TX 10, Font 43, WT 0) if space allows.

For title sheets having a strip map that covers a large area, the route identification may be placed using a text size of (TX 10, WT 2) but still using Font 3.

### C. Text Size - Structures

The working units for Structures is Master Units: Feet and Sub Units: Inches. For the base-working unit (1" = 1'-0"), the resolution is 96,000.

DESCRIPTION	TEXT SIZE	FONT	WEIGHT
Informational notes - majority of plan lettering requirements and border information	0.1400	3	1 or 2
Detail Titles	0.2400	3	4
Detail Titles	0.2400	43	0
Sheet Titles and Border information	0.2400	43	0

Size of Font (both height and width) is in feet for the base-working unit of (1" = 1'-0").

#### D. Text Size – Right of Way (R/W) Mapping Products

In the Caltrans CADD system, all R/W drawings are designed using State Plane Coordinates. Maps are developed at a ratio of 1 to 1 (real coordinate values), but can be plotted at any desired scale. Text sizes were determined based on how the text looked within the border sheet and what information should be shown more prominently. The size for the text listed in the table below, is based on a plotting scale of 1"= 50' (Caltrans Base Scale). It is important to place text at the appropriate CADD size within the drawing based on the intended scale of the plotted plan sheet.

Right of Way uses several fonts that are specific for their use only. These specific fonts are 4 (CTFONT-RW), 7 (Adline), 55 (Fancy–Old Mon. Font2) & 56 (Shadow). Fonts are shown in Appendix A6 of this manual.

DESCRIPTION	ENGLISH SIZE *	FONT	WEIGHT
Predominantly Numeric Annotation including bearings & distances, curve data, coordinates, and stationing.	TX = 5.0	3	1
Detail Labels (i.e. DETAIL "A" & SEE DETAIL "A")	TX = 10.0	3	3
"NO SCALE" label	TX = 5.0	3	2
Descriptive Annotation including easement descriptions, "EXISTING R/W", "CITY LIMITS"	TX = 5.0	4	1
Route Label along alignment	TX = 7.0	4	2
Map Sheet Reference Label (i.e. "SEE MAP 81328")	TX = 8.0	4	2
Block & Lot/Parcel Labeling Large (i.e. BLOCK 9) Medium (i.e. LOT 2, PARCEL 4)	TX = 12.0 TX = 10.0	4	1 1
County and City Labels	TX = 26.0	7	2
Government Landnet Labeling Township & Range Large (i.e. SECTION 1) Medium (i.e. GOVT TRACT 21) Small (i.e. GOVT LOT 3)	TX = 14.0 TX = 12.0 TX = 10.0 TX = 8.0	55	3 1 1 1
Subdivision & Record Map Labeling Large (i.e. ROS 6-8) Medium (i.e. PM 2-3) Small (i.e. OR 7-11)	TX = 14.0 TX = 12.0 TX = 10.0	56	2 2 2

\* TX = represents height (TH) and width (TW) in feet for Caltrans standard 1" = 50' drawings.